



Data and Privacy File Guides

**Apple Media Services:
Schoolwork Events and Insights**

September 2022

File name Events and Insights.json

File description Contains data related to the user's Schoolwork and ClassKit-enabled applications.

Why Apple keeps this information Apple retains this information in order to provide insights to instructors on how their class or individual students are performing

Field Name	Details
Schoolwork Event	The event as represented in our database
Schoolwork-Type	The type of event
Schoolwork-Person ID	Identifier for the person who created this event
Schoolwork-Created Date	The date and time at which the event was created
Schoolwork-Organization ID	Identifier for the organization
Schoolwork-Class ID	Identifier for the class
Schoolwork-Handout ID	Identifier for the handout
Schoolwork-Timezone	The timezone of the person who created this event
Class Insight	The class insight as represented in our database
Class-Organization ID	Identifier for the organization
Class-Class ID	Identifier for the class
Class-Type	The type of class
Class-Created Date	The date and time at which the insight was created
Handout Insight	The handout insight as represented in our database
Handout-Organization ID	Identifier for the organization
Handout-Class ID	Identifier for the class
Handout ID	Identifier for the handout

Field Name	Details
Handout-Type	The type of insight
Handout-Created Date	The date and time at which the insight was created
Student Insight	The student insight as represented in our database
Student-Organization ID	Identifier for the organization
Student-Class ID	Identifier for the class
Student ID	Identifier for the person represented by this insight
Student-Type	The type of insight
Student-Created Date	The date and time at which the insight was created
Event	The event as represented in a "Schoolwork Event"
Event Type	The type of event
Event Details	The details about the type of content for this event (e.g., UNKNOWN_EVENT_DETAILS, HANDOUT_EVENT_DETAILS, ATTACHMENT_EVENT_DETAILS, PROGRESS_EVENT_DETAILS)
Event Handout Details	A collection of the information related to the handout
Event Attachment Details	A collection of the information related to the attachment
Event Progress Details	A collection of the information related to the progress of the event
Handout Event Details	Details of a handout-related event as represented in an "Event"
Handout-Class ID	Identifier for the class
Handout ID	Identifier for the handout
Handout Attachment Details	A collection of the information related to the attachment
Handout Due Date	The due date of the handout, if it contains one
Attachment Event Details	Details of an attachment-related event as represented in an "Event"

Field Name	Details
Attachment Class ID	Identifier for the class
Attachment Handout ID	Identifier for the handout
Attachment ID	Identifier for the attachment
Attachment Type	The type of content an attachment represents
Context Type	The type of content of the attachment
Attachment Recipient ID	Identifier for the person by which this attachment event was generated
Progress Event Details	Details of an progress-related event as represented in an "Event"
Progress Class ID	Identifier for the class
Progress Handout ID	Identifier for the handout
Progress Attachment ID	Identifier for the attachment
Progress Attachment Type	The type of content an attachment represents
Progress Context Type	The type of content a context represents
Activity Item Info Details	A collection of the information related to the activity item information
Range Info Details	A collection of the information related to the range info
Time Interval Info Details	A collection of the information related to the time interval info
Activity Info Details	A collection of the information related to the activity info
Handout Attachment Details	Details of attachments included along with a handout event as represented in "Handout Event Details"
Handout Attachment ID	Identifier of the attachment
Handout Attachment Type	The type of content an attachment represents
Handout Attachment Context	The type of content a context represents
Activity Item Info	Information about activity progress a user has generated as represented in "Progress Event Details"
Title	A human readable name for the activity
Context ID	Identifier for the context

Field Name	Details
Activity Type	The type of the activity item
Binary Value Details	A collection of the information related to the binary value
Quality Value Details	A collection of the information related to the quantity value
Score Value Details	A collection of the information related to the score value
Range Info	Information about range-type progress a user has generated as represented in "Progress Event Details"
Activity Range Start	Lower bound of the range of this activity (e.g., value is within [0.0, 1.0])
Activity Range End	Upper bound of the range of this activity (e.g., value is within [0.0, 1.0])
Time Interval Info	Information about temporal progress a user has generated as represented in "Progress Event Details"
Activity Start	The date and time at which the activity started
Activity Duration	The duration of the activity
Activity Info	Information about the activity a user has interacted with as represented in "Progress Event Details"
Activity ID	Identifier to the primary activity item
Binary Value	Information about a binary value as represented in "Activity Item Info"
Value Type	The outcome represented by the binary value
Value	The assigned binary value assigned to the activity
Quantity Value	Information about a quantity value as represented in "Activity Item Info"
Task Value	A numeric quantity with which the task is associated
Score Value	Information about a score value as represented in "Activity Item Info"
Score Value	The score earned by the user
Score Max Value	The maximum possible score for the task

Field Name	Details
Insight	The insight as represented in a "Class Insight", "Handout Insight", or "Student Insight" entry's "insight_object_json" field
Insight ID	Identifier for the insight
Insight Type	The type of insight
Snapshot Details	A collection of the information related to the insight subject snapshot
Insight Subject Snapshot	A snapshot containing data about an insight necessary to represent it on our app. For example, an student insight could contain two snapshots: one to represent a student average, and one to represent the class average
Insight Subject Details	A collection of the information related to the insight subject
Quantity	A numeric value representing the quantity described by this insight
Quantity Type	The type of quantity described by this insight
Calculation Type	The type of calculation used to determined the quantity
Time Interval	The units of time for the time window covered by this insight
Time Duration	The number of time units covered by this insight
Time Offset	Number of time units in the past that this insight snapshot covers, where "0" represents the present
Trend	A distinguishable trend in this insight snapshot, relative to adjacent snapshots (e.g., HIGHER_TREND, LOWER_TREND, EQUAL_TREND)
Insight Subject Snapshot Data Point	A collection of the information related to the Snapshot Data Point
Insight Subject	The subject represented by an insight subject snapshot
Subject Type	The type of subject represented by this insight
Insight Attachment Type	The type of content an attachment represents

Field Name	Details
Insight Context Type	The type of content a context represents
Application ID	Identifier for the application for which the event was created.
Attachment ID	Identifier for the attachment
Class ID	Identifier for the class
Handout ID	Identifier for the handout
Person ID	Identifier for the person represented by this insight
Day of Week	A number representing the day of the week
Insight Subject Snapshot Data Point	A insight snapshot of one or more data points representing the individual values to calculate the insight snapshot quantity
Subject ID	Identifier for the subject
Quantity	A numeric value representing the quantity described by this insight
Date	A date and time representation as used throughout our system
Time	The date represented as a number of time units since an epoch
Timezone Offset Min	A number representing the offset from UTC